

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Kazumi YAMADA

Serial No.

Filed: February 25, 2002

For: PRINTER HAVING SCANNING FUNCTION, COLOR CONVERTING DEVICE AND COLOR CONVERTING METHOD

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to the examination thereof, please amend the above-identified application as follows.

IN THE SPECIFICATION

Please rewrite the specification as set forth below.

**Page 4, first and second full paragraphs (lines 1-4),
the marked up paragraphs are as follows:**

Figs. 7A and 7B are conceptional diagrams when data are omitted from the lookup table; and

Figs. 8A-8C are conceptional diagrams showing an effect when data are omitted from the lookup table.

IN THE CLAIMS

Please rewrite claims 3, 4, 8, 12, 13 and 16 as set forth below.

3. (Amended) The printer having the scanning function as claimed in claim 1, wherein the first color component signal and the second color component signal are constructed by plural signals indicating colors.

4. (Amended) The printer having the scanning function as claimed in claim 1, wherein the first color component signal is an RGB signal, and the second color component signal is a CMYK signal.

8. (Amended) The printer having the scanning function as claimed in claim 1, wherein said color converting means has a second lookup table different from said lookup table, and converts the first color component signal based on the read-out original to the second color component signal used for printing by selectively referring to any one of said lookup table and said second lookup table.

12. (Amended) The color converting device as claimed in claim 10, wherein the subject color for conversion is constructed by RGB and the target color is constructed by CMYK.

13. (Amended) The color converting device as claimed in claim 10, wherein:

 said lookup table is expressed by grids including discontinuous values; and

 said grids are set to be non-equidistant, and grids in a portion where the target color indicates black and grids in a portion where the target color indicates white, have a larger distance than grids in other portions.

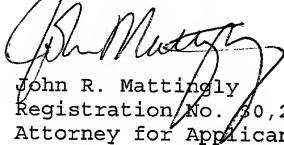
16. (Amended) The color converting method as claimed in claim 14, wherein the color conversion is carried out by referring to a lookup table predetermined with respect to correspondence between the color signal combination of the subject color and the color signal combination of the target color.

REMARKS

The specification has been amended to make it consistent with the drawings.

Claims 3, 4, 8, 12, 13 and 16 have been amended to remove multiple dependencies. Examination is respectfully requested.

Respectfully submitted,


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Date: February 25, 2002

MARKED UP VERSION OF REPLACED
PARAGRAPHS OF THE SPECIFICATION

Page 4, first and second full paragraphs (lines 1-4),
the marked up paragraphs are as follows:

Figs. 7A and 7B are [is a] conceptional diagrams when
data are omitted from the lookup table; and

Figs. 8A-8C are [is a] conceptional diagrams showing
an effect when data are omitted from the lookup table.

MARKED UP VERSION OF REWRITTEN CLAIMS

3. (Amended) The printer having the scanning function as claimed in claim 1 [or 2], wherein the first color component signal and the second color component signal are constructed by plural signals indicating colors.

4. (Amended) The printer having the scanning function as claimed in claim 1 [or 2], wherein the first color component signal is an RGB signal, and the second color component signal is a CMYK signal.

8. (Amended) The printer having the scanning function as claimed in claim 1 [or 2], wherein said color converting means has a second lookup table different from said lookup table, and converts the first color component signal based on the read-out original to the second color component signal used for printing by selectively referring to any one of said lookup table and said second lookup table.

12. (Amended) The color converting device as claimed in claim 10 [or 11], wherein the subject color for conversion is constructed by RGB and the target color is constructed by CMYK.

13. (Amended) The color converting device as claimed in claim 10 [or 11], wherein:

 said lookup table is expressed by grids including discontinuous values; and

 said grids are set to be non-equidistant, and grids in a portion where the target color indicates black and grids in a portion where the target color indicates white, have a larger distance than grids in other portions.

16. (Amended) The color converting method as claimed in claim 14 [or 15], wherein the color conversion is carried out by referring to a lookup table predetermined with respect to correspondence between the color signal combination of the subject color and the color signal combination of the target color.